

# **National Weather Service**

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## **Severe Weather Program**

### **VTEC and Watch By County**

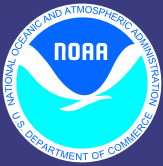
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**National Severe Weather Workshop**

**March 3, 2005**

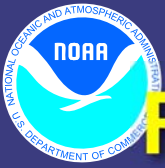
**Richard Okulski**

**NOAA/NWS Severe Weather Program Leader**



# Overview

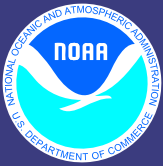
- **Recent Watch By County History**
- **Recent VTEC History**
- **Severe Weather Program Overview**
- **SPC Products**
- **WFO Products**
- **2005 Severe Weather Season Road Map**
- **Conclusion**



## **Recent Watch By County/VTEC History**

- **Marine Zones Added to Convective Watch Products on July 7, 2004**
- **Segmented Severe Weather Statements - December 8, 2004**
- **Operational VTEC for Four Severe Weather Products – February 8, 2005**
- **Two Legacy Watch Products (SLS/SEV) Discontinued – February 22, 2005**

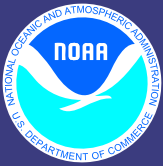




# Severe Weather Program Overview

- **Outlooks**
  - *National – Categorical and Probabilistic*
  - *Local – Hazardous Weather*
- **Guidance**
  - *Mesoscale Discussions*
  - *Watch Status Messages*
- **Watches**
  - *National – WOU, SEL, SAW*
  - *Local – WCN (Experimental), SPS*
- **Warnings**
  - *Local – TOR, SVR, SVS*
- **Reports**
  - *Local – LSRs (Preliminary Local Storm Reports)*
  - *National – Hourly and Daily Report Logs*





# SPC Watch Products

- **Watch Outline Update Message (WOU)**
  - *Includes all counties, independent cities, and nearshore marine zones (out to 20 nautical miles) in a watch area*
  - *Three Types of WOUs*
    - Initial – Start of the Watch
    - Update – Issued at least at the top of each hour, depicts modifications to watch area **(Experimental)**
    - Final – End of the Watch
- **Aviation (SAW) and Public Watch (SEL) Notification Messages Unchanged**
- **Watch County List (SEV) Discontinued on February 22, 2005**



# Watch Outline Update Message

WOUS64 KWNS 071741

WOU0

BULLETIN - IMMEDIATE BROADCAST REQUESTED  
TORNADO WATCH OUTLINE UPDATE FOR WT 810  
NWS STORM PREDICTION CENTER NORMAN OK  
145 PM EDT TUE SEP 7 2004

TORNADO WATCH 810 IS IN EFFECT UNTIL 700 PM EDT FOR THE  
FOLLOWING LOCATIONS

NCC017-019-047-051-085-093-105-125-129-141-155-163-072300-  
/O.NEW.KWNS.TO.A.0810.040907T1745Z-040907T2300Z/

NC

. NORTH CAROLINA COUNTIES INCLUDED ARE

BLADEN	BRUNSWICK	COLUMBUS
CUMBERLAND	HARNETT	HOKE
LEE	MOORE	NEW HANOVER
PENDER	ROBESON	SAMPSON

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AMZ250-252-072300-  
/O.NEW.KWNS.TO.A.0810.040907T1745Z-040907T2300Z/

CW

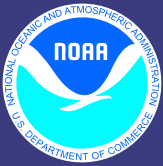
. ADJACENT COASTAL WATERS INCLUDED ARE

COASTAL WATERS FROM SURF CITY TO CAPE FEAR NC OUT 20 NM

COASTAL WATERS FROM CAPE FEAR NC TO LITTLE RIVER INLET SC OUT 20  
NM

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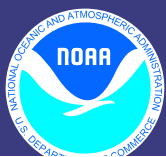
ATTN...WFO...ILM...RAH...



# WFO Watch Products

- **Watch County Notification Message**  
**(Experimental)**
  - *Initial product issued at the start of a watch*
  - *Updated to:*
    - Clear counties
    - Add counties
    - Extend Watch Expiration Time
- **Special Weather Statement (for Convective Watches)**
  - *Will Remain Operational*
  - *Functionality Will be Replaced by WCN in Fall*





# Watch County Notification Message

WWUS62 KCHS 280117  
WCNCHS

EXPERIMENTAL...WATCH COUNTY NOTIFICATION FOR WATCH 844  
NATIONAL WEATHER SERVICE CHARLESTON SC  
917 PM EDT MON SEP 27 2004

SCC029-280216-  
/E.CAN.KCHS.TO.A.0844.000000T0000Z-040928T0200Z/

THE NATIONAL WEATHER SERVICE HAS CANCELED TORNADO WATCH 844 FOR THE FOLLOWING AREAS.

IN SOUTHEAST SOUTH CAROLINA THIS WATCH INCLUDES 1 COUNTY

COLLETON

INCLUDING THE CITIES OF EDISTO BEACH AND WALTERBORO.  
\$\$

AMZ330-350-SCC015-019-035-280800-  
/E.CAN.KCHS.TO.A.0844.000000T0000Z-040928T0200Z/  
/E.NEW.KCHS.TO.A.0845.040928T0110Z-040928T0800Z/

THE NATIONAL WEATHER SERVICE HAS ISSUED TORNADO WATCH 845 UNTIL 400 AM EDT TUESDAY MORNING  
FOR THE FOLLOWING AREAS

IN SOUTHEAST SOUTH CAROLINA THIS WATCH INCLUDES 3 COUNTIES

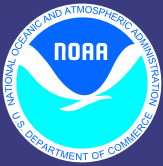
BERKELEY                      CHARLESTON                      DORCHESTER

THIS WATCH INCLUDES THE FOLLOWING ADJACENT COASTAL WATERS\

CHARLESTON HARBOR

COASTAL WATERS FROM SOUTH SANTEE RIVER TO EDISTO BEACH SC OUT 20 NM

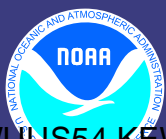
INCLUDING THE CITIES OF CHARLESTON...GOOSE CREEK...MCCLELLANVILLE...MONCK'S CORNER...SAINT GEORGE...SAINT STEPHEN AND  
SUMMERVILLE.



# WFO Warning Products

- **Tornado and Severe Thunderstorm Warnings**
  - *VTEC Became Operational on Feb 8, 2005*
- **Severe Weather Statements**
  - *Segmented Statements as of Dec 8, 2004*
  - *VTEC Operational on Feb 8, 2005*
  - *Follow Up Statements Linked to Original Warnings by a Common VTEC Event Tracking Number*





# Severe Thunderstorm Warning

WUUS54 KEWX 240228

SVREWX

TXC285-240315-

/O.NEW.KEWX.SV.W.0039.041124T0228Z-041124T0315Z/

BULLETIN - EAS ACTIVATION REQUESTED

SEVERE THUNDERSTORM WARNING

NATIONAL WEATHER SERVICE AUSTIN/SAN ANTONIO TX

828 PM CST TUE NOV 23 2004

THE NATIONAL WEATHER SERVICE IN AUSTIN SAN ANTONIO HAS ISSUED A

\* SEVERE THUNDERSTORM WARNING FOR THE FOLLOWING COUNTIES...

LAVACA

\* UNTIL 915 PM CST

\* AT 830 PM CST...NATIONAL WEATHER SERVICE DOPPLER RADAR INDICATED A SEVERE THUNDERSTORM CAPABLE OF PRODUCING NICKEL SIZE HAIL...AND DAMAGING WINDS IN EXCESS OF 60 MPH. THIS STORM WAS LOCATED 8 MILES SOUTHWEST OF HALLETTSVILLE...AND MOVING EAST AT 35 MPH.

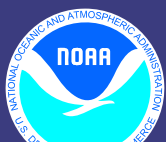
\* OTHER LOCATIONS IN THE WARNING INCLUDE EZZELL AND SUBLIME.

LAT...LON 2942 9719 2912 9692 2934 9661 2961 9687

2961 9715

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# Severe Weather Statement

SEVERE WEATHER STATEMENT  
NATIONAL WEATHER SERVICE JACKSON MS  
646 AM CST THU DEC 9 2004

MSC065-091256-  
JEFFERSON DAVIS MS-  
/O.CAN.KJAN.SV.W.0045.000000T12091300Z/  
646 AM CST THU DEC 9 2004

...THE TORNADO WARNING FOR JEFFERSON DAVIS COUNTY IS CANCELLED...

LAT...LON 3160 8962 3145 8956 3146 8941 3165 8940  
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MSC031-091300-  
COVINGTON MS-  
/O.CON.KJAN.SV.W.0045.000000T12091300Z/  
646 AM CST THU DEC 9 2004

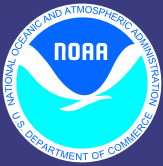
...A TORNADO WARNING CONTINUES UNTIL 700 AM CST FOR COVINGTON  
COUNTY...

AT 641 AM CST...NATIONAL WEATHER SERVICE DOPPLER RADAR CONTINUED TO  
INDICATE A TORNADO. THIS TORNADO WAS LOCATED NEAR SEMINARY...OR  
ABOUT 10 MILES SOUTH OF COLLINS...MOVING EAST AT 40 MPH.

THE TORNADO WILL BE NEAR...

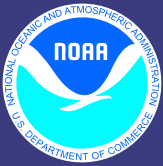
SANFORD AND SEMINARY BY 645 AM CST

LAT...LON 3160 8962 3145 8956 3146 8941 3165 8940  
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# 2005 Severe Weather Season Road Map

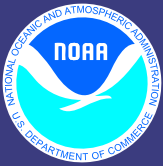
- **Outlooks**
  - *No Changes*
- **Watches**
  - *Operational: WOU (Initial and Final), SAW, SEL, SPS*
  - *Guidance: Watch Status Message*
  - *Experimental WOU (Update), WCN*
    - Expansion of WCN Testing to all CONUS WFOs (April 1)
    - Transition to GHG For WCN Creation and Dissemination
- **Warnings**
  - *VTEC in TOR, SVR and SVS*
  - *Sub County Warning (Polygon) Demonstration*



# Conclusion

- **Severe Weather Products Which Will Have Operational VTEC on February 8, 2005**
  - *Watch Outline Update Message (National – SPC)*
    - Initial and Final
  - *Tornado Warning (Local – WFO)*
  - *Severe Thunderstorm Warning (Local – WFO)*
  - *Severe Weather Statement (Local – WFO)*
- **Discontinue Legacy Watch Products on February 22, 2005**
  - *Watch County List (SEV – SPC)*
  - *State Areal Outline Statement (SLS – select WFOs)*





# Conclusion (Continued)

- **Fall 2005 Watch By County and VTEC Implementation**
  - *Watch Outline Update Message (National – SPC)*
    - **Update**
  - *Watch County Notification Message (Local – WFO)*
- **Discontinue Legacy Watch Product**
  - *Special Weather Statement (Local – WFO)*
    - **Only For Convective Watches**
- **For More Information on Watch By County:**
  - ***<http://www.nws.noaa.gov/om/watch>***